

ABSTRACT OF THE DISCLOSURE

The invention relates to a cross development system of a program in a target board used for an embedded system. The cross development system comprises: a cross development processing block for compiling a written application program for a microprocessor of the target board and executing debugging about execution results of the program; the first BT module for wirelessly transmitting information for executing cross development from the cross development processing block to the target board; the second BT module for receiving wireless information transmitted from the first BT module and wirelessly transmitting internal program processing results to the first BT module; a communication channel controlling block for judging whether the microprocessor of the target board is occupiable and allocating a communication channel to the host computer to transmit/receive and execute wireless information for cross development received via the second BT module. The host computer can wirelessly execute cross development such as remote debugging using the BT modules regardless the position of the target board. The local communication without the Internet network provides communication security.